RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/643,681 B_

Source: _IFW/6_

Date Processed by STIC: _4-17-06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/643,681B_   CRF Edit Date: _4-17-06_
Edited by: _____

_____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__✓__ Deleted: _✓_ invalid beginning/end-of-file text ; ___ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____

_____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_____ Other:

_____
_____
_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING   DATE: 04/17/2006
PATENT APPLICATION: **US/10/643,681B**   TIME: 11:05:28

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\04142006\J643681B.raw**

```
 3 <110> APPLICANT: Amylin Pharmaceuticals, Inc.
 4         Kolterman, Orville G.
 5         Young, Andrew A.
 6         Rink, Timothy J.
 7         Brown, Kathleen A. K.
 9 <120> TITLE OF INVENTION: Methods for Regulating Postprandial Blood Glucose
(Amended)
11 <130> FILE REFERENCE: 254/057CON
13 <140> CURRENT APPLICATION NUMBER: US 10/643,681B
14 <141> CURRENT FILING DATE: 2003-08-18
16 <150> PRIOR APPLICATION NUMBER: US 09/576,062
17 <151> PRIOR FILING DATE: 2000-05-22
19 <150> PRIOR APPLICATION NUMBER: US 08/302,069
20 <151> PRIOR FILING DATE: 1994-09-07
22 <150> PRIOR APPLICATION NUMBER: US 08/118,381
23 <151> PRIOR FILING DATE: 1993-09-07
25 <160> NUMBER OF SEQ ID NOS: 49
27 <170> SOFTWARE: PatentIn version 3.3
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 37
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Synthetic peptide construct
37 <400> SEQUENCE: 1
39 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
40 1               5                   10                  15
42 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
43             20                  25                  30
45 Gly Ser Asn Thr Tyr
46         35
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 24
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Synthetic peptide construct
57 <400> SEQUENCE: 2
59 Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
60 1               5                   10                  15
62 Thr Asn Thr Gly Ser Asn Thr Tyr
63             20
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 37
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68 <212> TYPE: PRT
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Synthetic peptide construct
74 <400> SEQUENCE: 3
76 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
77 1               5                   10                  15
79 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
80              20                  25                  30
82 Gly Ser Asn Thr Tyr
83         35
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 36
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthetic peptide construct
94 <400> SEQUENCE: 4
96 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
97 1               5                   10                  15
99 His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
100             20                  25                  30
102 Ser Asn Thr Tyr
103        35
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 37
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic peptide construct
114 <400> SEQUENCE: 5
116 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
117 1               5                   10                  15
119 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val
120             20                  25                  30
122 Gly Ser Asn Thr Tyr
123         35
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 36
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Synthetic peptide construct
134 <400> SEQUENCE: 6
136 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
137 1               5                   10                  15
139 His Arg Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
140             20                  25                  30
142 Ser Asn Thr Tyr
```

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143          35
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 37
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Synthetic peptide construct
154 <400> SEQUENCE: 7
156 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
157 1               5                   10                  15
159 Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val
160             20                  25                  30
162 Gly Ser Asn Thr Tyr
163          35
166 <210> SEQ ID NO: 8
167 <211> LENGTH: 37
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Synthetic peptide construct
174 <400> SEQUENCE: 8
176 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
177 1               5                   10                  15
179 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
180             20                  25                  30
182 Gly Ser Asn Thr Tyr
183          35
186 <210> SEQ ID NO: 9
187 <211> LENGTH: 36
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Synthetic peptide construct
194 <400> SEQUENCE: 9
196 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
197 1               5                   10                  15
199 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly
200             20                  25                  30
202 Ser Asn Thr Tyr
203          35
206 <210> SEQ ID NO: 10
207 <211> LENGTH: 36
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthetic peptide construct
214 <400> SEQUENCE: 10
216 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
217 1               5                   10                  15
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219 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly
220             20              25              30
222 Ser Asn Thr Tyr
223         35
226 <210> SEQ ID NO: 11
227 <211> LENGTH: 37
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic peptide construct
234 <400> SEQUENCE: 11
236 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
237 1               5               10              15
239 Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
240             20              25              30
242 Gly Ser Asn Thr Tyr
243         35
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 37
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic peptide construct
254 <400> SEQUENCE: 12
256 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
257 1               5               10              15
259 Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val
260             20              25              30
262 Gly Ser Asn Thr Tyr
263         35
266 <210> SEQ ID NO: 13
267 <211> LENGTH: 36
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Synthetic peptide construct
274 <400> SEQUENCE: 13
276 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
277 1               5               10              15
279 His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val Gly
280             20              25              30
282 Ser Asn Thr Tyr
283         35
286 <210> SEQ ID NO: 14
287 <211> LENGTH: 37
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Synthetic peptide construct
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/643,681B

DATE: 04/17/2006
TIME: 11:05:28

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\04142006\J643681B.raw

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294 <400> SEQUENCE: 14
296 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
297 1               5                   10                  15
299 Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val
300             20                  25                  30
302 Gly Ser Asn Thr Tyr
303             35
306 <210> SEQ ID NO: 15
307 <211> LENGTH: 37
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Synthetic peptide construct
314 <400> SEQUENCE: 15
316 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
317 1               5                   10                  15
319 Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val
320             20                  25                  30
322 Gly Ser Asn Thr Tyr
323             35
326 <210> SEQ ID NO: 16
327 <211> LENGTH: 37
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Synthetic peptide construct
334 <400> SEQUENCE: 16
336 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
337 1               5                   10                  15
339 Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Ser Thr Asn Val
340             20                  25                  30
343 Gly Ser Asn Thr Tyr
344             35
347 <210> SEQ ID NO: 17
348 <211> LENGTH: 37
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Synthetic peptide construct
355 <400> SEQUENCE: 17
357 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
358 1               5                   10                  15
360 Ile His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val
361             20                  25                  30
363 Gly Ser Asn Thr Tyr
364             35
367 <210> SEQ ID NO: 18
368 <211> LENGTH: 37
369 <212> TYPE: PRT
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/17/2006
PATENT APPLICATION: US/10/643,681B   TIME: 11:05:29

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\04142006\J643681B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the
<220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,28,29,31
Seq#:40; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,29,31
Seq#:41; Xaa Pos. 2,7
Seq#:42; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,28,31
Seq#:43; Xaa Pos. 2,7
Seq#:44; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,31
Seq#:45; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,31
Seq#:46; Xaa Pos. 2,7
Seq#:47; Xaa Pos. 2,7
Seq#:48; Xaa Pos. 2,7
Seq#:49; Xaa Pos. 2,7

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
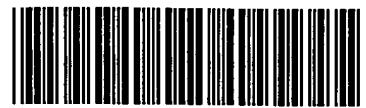per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

VERIFICATION SUMMARY DATE: 04/17/2006
PATENT APPLICATION: **US/10/643,681B** TIME: 11:05:29

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\04142006\J643681B.raw**

```
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
M:341 Repeated in SeqNo=31
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
M:341 Repeated in SeqNo=40
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
M:341 Repeated in SeqNo=42
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
M:341 Repeated in SeqNo=44
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
M:341 Repeated in SeqNo=45
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
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Raw Sequence Listing before editing,
for reference only

IFW16

RAW SEQUENCE LISTING   DATE: 04/13/2006
PATENT APPLICATION: **US/10/643,681B**   TIME: 15:02:19

Input Set : **A:\254057CON.ST25.txt**
Output Set: **N:\CRF4\04132006\J643681B.raw**

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 3 <110> APPLICANT: Amylin Pharmaceuticals, Inc.
 4        Kolterman, Orville G.
 5        Young, Andrew A.
 6        Rink, Timothy J.
 7        Brown, Kathleen A. K.
 9 <120> TITLE OF INVENTION: Methods for Regulating Postprandial Blood Glucose (Amended)
11 <130> FILE REFERENCE: 254/057CON
13 <140> CURRENT APPLICATION NUMBER: US 10/643,681B
14 <141> CURRENT FILING DATE: 2003-08-18
16 <150> PRIOR APPLICATION NUMBER: US 09/576,062
17 <151> PRIOR FILING DATE: 2000-05-22
19 <150> PRIOR APPLICATION NUMBER: US 08/302,069
20 <151> PRIOR FILING DATE: 1994-09-07
22 <150> PRIOR APPLICATION NUMBER: US 08/118,381
23 <151> PRIOR FILING DATE: 1993-09-07
25 <160> NUMBER OF SEQ ID NOS: 49
27 <170> SOFTWARE: PatentIn version 3.3
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Does Not Comply
Corrected Diskette Needed
(pg. 2)

ERRORED SEQUENCES

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1462 <210> SEQ ID NO: 49
1463 <211> LENGTH: 37
1464 <212> TYPE: PRT
1465 <213> ORGANISM: Artificial Sequence
1467 <220> FEATURE:
1468 <223> OTHER INFORMATION: Synthetic peptide construct
1470 <220> FEATURE:
1471 <221> NAME/KEY: MISC_FEATURE
1472 <222> LOCATION: (2)
1473 <223> OTHER INFORMATION: Variable amino acid
1475 <220> FEATURE:
1476 <221> NAME/KEY: MISC_FEATURE
1477 <222> LOCATION: (7)
1478 <223> OTHER INFORMATION: Variable amino acid
1480 <220> FEATURE:
1481 <221> NAME/KEY: MISC_FEATURE
1482 <223> OTHER INFORMATION: residues 2 and 7 are independently selected residues having
side
1483        chains which are chemically bonded to each other to form an
1484        intramolecular linkage
1486 <400> SEQUENCE: 49
W--> 1488 Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Thr Asn Phe Leu
1489 1               5                   10                  15
```

RAW SEQUENCE LISTING   DATE: 04/13/2006
PATENT APPLICATION: **US/10/643,681B**   TIME: 15:02:19

Input Set : **A:\254057CON.ST25.txt**
Output Set: **N:\CRF4\04132006\J643681B.raw**

```
1491 Val Arg Ser Ser His Asn Leu Gly Ala Ala Leu Leu Pro Thr Asp Val
1492             20                  25                  30
1494 Gly Ser Asn Thr Tyr
1495          35
E--> 1497 (1)
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deleted

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/13/2006
PATENT APPLICATION: **US/10/643,681B**   TIME: 15:02:20

Input Set : **A:\254057CON.ST25.txt**
Output Set: **N:\CRF4\04132006\J643681B.raw**

<u>Invalid <213> Response:</u>
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

VERIFICATION SUMMARY   DATE: 04/13/2006
PATENT APPLICATION: **US/10/643,681B**   TIME: 15:02:20

Input Set : **A:\254057CON.ST25.txt**
Output Set: **N:\CRF4\04132006\J643681B.raw**

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L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
M:341 Repeated in SeqNo=31
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
M:341 Repeated in SeqNo=40
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
M:341 Repeated in SeqNo=42
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
M:341 Repeated in SeqNo=44
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
M:341 Repeated in SeqNo=45
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1497 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:49
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